

PATENT ABSTRACTS OF JAPAN

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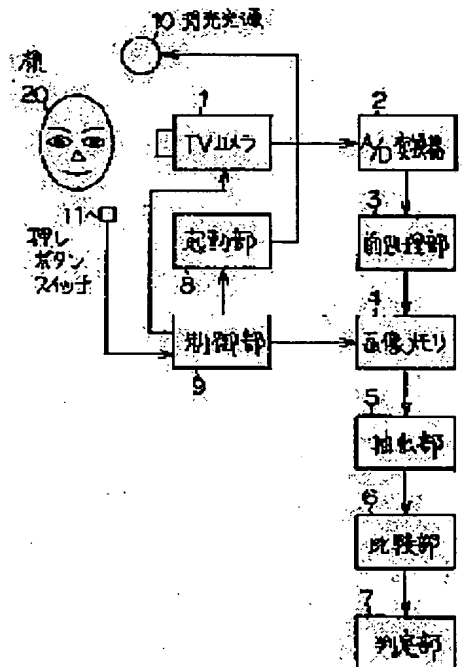
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(54) INDIVIDUAL RECOGNIZING DEVICE

(57)Abstract:

PURPOSE: To comparatively simply improve the ratio of recognition without the fear of robbery or illegal use.

CONSTITUTION: An activating part 8 turns on a flash light source 10, and a TV camera 1 picks up the image of pupils being the specific parts of a face 20. Through an A/D converter 2 and a preprocessing part 3, preprocessed digital video signals are stored in an image memory 4 as image data. An extraction part 5 calculates the aperture of the pupils as dynamic data and extracts the average change rate of the pupil aperture as a dynamic feature value by performing prescribed arithmetic operation on these respective dynamic data. A comparison part 6 compares the average change rate of the pupil aperture due to the extraction part 5 with the average change rate corresponding to plural individuals registered in advance and based on the degree of matching clue to the comparison, a judge part 7 specifies that the person which image is picked up is one of registered individuals. The entire operation is adjusted by a control part 9.



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